

10019590-110901

What is claimed is:

1. A vibration isolator comprising a cylindrical body fitting, an upper side attachment fitting having a flange disposed at intervals upward the axis center of the body fitting and extending radially, a vibration isolating substrate made of a rubber material interposed between the body fitting and the upper side attachment fitting to connect both fittings, a cylindrical stopper fitting interconnected with the body fitting and extending outside the vibration isolating substrate up to above the flange, being folded inside so that the upper extremity portion lies above the flange, the top surface and outer circumference of the flange being provided with the stopper rubber, and is constructed so that the flange abuts the stopper fitting through the stopper rubber when the upper side attachment fitting moves largely in the upward direction or square to the axial direction by vibration;

wherein the stopper rubber attached to the flange portion has a notch groove for continuous drainage from the top surface to the outer circumference at least one place circumferentially.

See  
at

2. The vibration isolator as set forth in claim 1 or 2, wherein the notch groove for drainage has the depth substantially equal to or a little shallower than the thickness of the stopper rubber from the top surface to the outer circumferential surface.

10019990 110901  
T0607T 0565T001

3. The vibration isolator as set forth in claim 1 or 2, wherein the notch grooves for drainage are provided at two places opposite to each other circumferentially.

4. The vibration isolator as set forth in claim 1 or 2, wherein, one of the notch groove for drainage is located at the lowest level while being loaded on a vehicle.

5. The vibration isolator as set forth in claim 1 or 2, wherein, the vibration isolating substrate is of nearly truncated cone, the upper extremity of the vibration isolating substrate is stuck to the lower surface of the flange of the upper side attachment fitting by means of the vulcanization adhering means, and that the stopper rubber is formed by the rubber material continuous from the upper extremity of the vibration isolating substrate.

6. The vibration isolator as set forth in claim 5, wherein the outer circumferential rubber portion of the stopper rubber has larger diameter than the upper extremity of the vibration isolating substrate, and the notch groove for drainage is formed nearly flush with the upper extremity of the vibration isolating substrate.

7. The vibration isolator as set forth in claim 1 or 2, wherein the vibration isolating substrate is of nearly truncated cone, the lower extremity of the vibration isolating substrate is stuck to the upper portion of the cylindrical body fitting, and a draining means is provided from the lower portion

of the outside space of the vibration isolating substrate through the outside of the vibration isolator.

8. The vibration isolator as set forth in claim 7, wherein an annular concave portion is formed between the outer circumferential lower portion of the vibration isolating substrate and the upper extremity inner circumferential surface of the body fitting, and a through-hole is drilled and connected from the lower portion of the concave to the outside through the body fitting and the stopper fitting.

9. The vibration isolator as set forth in claim 1 or 2, wherein a diaphragm made of a rubber film is disposed opposite to the vibration isolating substrate at the lower side of the body fitting, an inner chamber between the vibration isolating substrate and the diaphragm is made to be a liquid-in chamber, the liquid-in chamber is divided into two liquid chambers on the side of the vibration isolating substrate and the diaphragm by means of a partition member, both liquid chambers being connected by an orifice.

10019990-110901